

TRIMERIZATION CATALYST OF ETHYLENE AND METHOD FOR TRIMERIZING ETHYLENE USING THE SAME

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Abstract of JP2002172327

PROBLEM TO BE SOLVED: To manufacture 1-hexene efficiently and highly selectively from ethylene.
SOLUTION: A trimerization catalyst of ethylene is obtained by bringing a chromium complex having a neutral multidentate ligand, which has a tripod type structure represented by $ACrB_n$ (n is an integer of 1-3, A is a neutral multidentate ligand having a tripod type structure, Cr is a chromium atom and B is at least one component selected from the group consisting of a hydrogen atom, a halogen atom and a straight chain or branched alkyl group), into contact with an alkyl metal compound in a solution containing 10 vol.% or more of an alkane compound. This catalyst is used in the trimerization of ethylene.

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